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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. No. : 10/526,111 Confirmation No.: 8522
Applicant : Yousef et al.
Filed : November 22, 2005
TC/A.U. : 1643
Examiner : A. Gussow
Customer No. : 00270 December 22, 2006
Title : METHODS FOR DETECTING ENDOCRINE CANCER

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SECOND INFORMATION DISCLOSURE STATEMENT

Sir:

Applicant submits to the Examiner the attached document listing and this paper pursuant to 37 CFR § 1.56 and § 1.97-1.98. Copies of the documents listed in these forms are enclosed. This Information Disclosure Statement is submitted more than three months from the filing date of this application, but before receipt of a first Office Action. Therefore, no fees are believed due.

Express Mail No.: EO 928 659 044 US

REMARKS

Listed below are co-pending US patent applications and their corresponding international patent publications.

- (i) US Patent Application No. 11/319,952, filed December 28, 2005
(US Patent Application Publication No. US-2006-0134114,
published June 22, 2006)
- (ii) US Patent Application No. 10/526,029, filed September 20, 2005
(US Patent Application Publication No. US-2006-0073525,
published April 6, 2006)
(International Patent Publication No. WO-2004/021008
published March 11, 2004)
- (iii) US Patent Application No. 10/344,394, filed February 11, 2003
(US Patent Application Publication No. US-2004-0058342,
published March 25, 2004)
(International Patent Publication No. WO-2002/014485,
published February 2, 2002)
- (iv) US Patent Application No. 10/399,013, filed April 10, 2003
(US Patent Application Publication No. US-2004-0096915,
published May 20, 2004)
(International Patent Publication No. WO-2002/035232,
published May 2, 2002)
- (v) US Patent Application No. 10/415,222, filed April 25, 2003
(US Patent Application Publication No. US-2004-0115745,
published June 17, 2004)
(International Patent Publication No. WO-2002/037112,
published May 10, 2002)
- (vi) US Patent Application No. 10/529,163, filed December 19, 2005
(US Patent Application Publication No. US-2006-0223059,
published October 5, 2006)
(International Patent Publication No. WO-2004/029285,
published April 8, 2004)

- (vii) US Patent Application No. 10/529,088, filed March 24, 2005
(US Patent Application Publication No. US-2006-0269971,
published November 30, 2006)
(International Patent Publication No. WO-2004/029616,
published April 8, 2004)
- (viii) US Patent Application No. 10/868,490, filed June 14, 2004
(US Patent Application Publication No. US-2005-0106586,
published May 19, 2005)
- (ix) US Patent Application No. 10/546,435, filed August 19, 2005
(US Patent Application Publication No. US-2006-0141471,
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(International Patent Publication No. WO-2004/077060,
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- (x) US Patent Application No. 10/544,944, filed August 9, 2005
(US Patent Application Publication No. US-2006-0134120,
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(International Patent Publication No. WO-2004/075713,
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- (xi) US Patent Application No. 10/510,321, filed October 4, 2004
(US Patent Application Publication No. US-2005-0287528,
published December 29, 2005)
(International Patent Publication No. WO-2003/085404,
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- (xii) US Patent Application No. 10/492,740, filed April 15, 2004
(US Patent Application Publication No. US-2005-0176002,
published August 11, 2005)
(International Patent Publication No. WO-2003/033731,
published April 24, 2003)
- (xiii) US Patent Application No. 10/478,333, filed November 21, 2003
(US Patent Application Publication No. US-2004-0203012,
published October 14, 2004)
(International Patent Publication No. WO-2002/097438,
published December 5, 2002)

The month of publication for documents AAT, AAU, BX, CCV, DY, EU, and EEZ listed on the attached Form 1449 could not be determined. The years of publication for documents AAT, BX, CCV, EU, and EEZ are sufficiently earlier than the effective US filing date and/or the foreign priority date of the present application so that the particular month of publication of the documents is not an issue (MPEP 609).

The Examiner is respectfully requested to consider the documents identified in this paper and in the attached forms during the course of examination of this application.

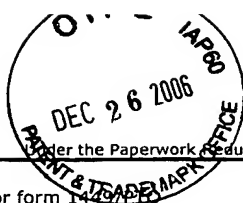
The Director is hereby authorized to charge any deficiency in any fees due with the filing of this paper or during the pendency of this application, or credit any overpayment in any fees to our Deposit Account No. 08-3040.

Respectfully submitted,

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December 22, 2006



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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) | | | | Complete if Known | |
| | | | | Application Number | 10/526,111 |
| | | | | Filing Date | November 22, 2005 |
| | | | | First Named Inventor | Yousef et al. |
| | | | | Art Unit | 1643 |
| Examiner Name | A. Gussow | | | | |
| Sheet | 1 | of | 9 | Attorney Docket Number | MTS13AUSA |

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|-----------------------|-----------------------|--|--------------------------------|---|---|
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| | | | | Examiner Name | A. Gussow | |
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NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Include the name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item, (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | T ² |
|--------------------|-----------------------|---|----------------|
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|--------------------|-----------------------|---|----------------|
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| | | | | Application Number | 10/526,111 | |
| | | | | Filing Date | November 22, 2005 | |
| | | | | First Named Inventor | Yousef et al. | |
| | | | | Art Unit | 1643 | |
| Examiner Name | A. Gussow | | | | | |
| Sheet | 6 | of | 9 | Attorney Docket Number | MTS13AUSA | |

| NON PATENT LITERATURE DOCUMENTS | | | |
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| Examiner Initials* | Cite No. ¹ | Include the name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item, (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | T ² |
| | CW | JUNG et al., "Ratio of Free or Complexed Prostate-Specific Antigen (PSA) to Total PSA: Which Ratio Improves Differentiation Between Benign Prostatic Hyperplasia and Prostate Cancer?", Clin. Chem., 46(1):55-62 (January, 2000) | |
| | CX | KIM et al., "Human Kallikrein Gene 5 (KLK5) Expression is an Indicator of Poor Prognosis in Ovarian Cancer", Br. J. Cancer, 84:643-650 (March 2, 2001) | |
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| | CZ | KOS et al., "Cysteine Proteinases and Their Endogenous Inhibitors: Target Proteins for Prognosis, Diagnosis and Therapy in Cancer (Review)", Oncol. Rep., 5:1349-1371 (November-December, 1998) (Abstract) | |
| | CCR | KYRIAKOPOULOU et al., "Prognostic Value of Quantitatively Assessed KLK7 Expression in Ovarian Cancer", Clin. Biochem., 36:135-143 (March, 2003) | |
| | CCS | LENGYEL et al., "Expression of Latent Matrix Metalloproteinase 9 (MMP-9) Predicts Survival in Advanced Ovarian Cancer", Gynecol Oncol., 82:291-298 (June 22, 2001) | |
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| | | | | Art Unit | 1643 |
| Sheet | 7 | of | 9 | Examiner Name | A. Gussow |
| | | | | Attorney Docket Number | MTS13AUSA |

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| Examiner Initials* | Cite No. ¹ | Include the name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item, (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | T ² |
|--------------------|-----------------------|---|----------------|
| | DS | MASCIULLO et al., "p27 ^{KIP1} Expression Is Associated with Clinical Outcome in Advanced Epithelial Ovarian Cancer: Multivariate Analysis", Clin. Cancer Res., 6:4816-4822 (December, 2000) | |
| | DT | MCCORMACK et al., "Molecular Forms of Prostate-Specific Antigen and the Human Kallikrein Gene Family: A New Era", Urology, 45(5):729-744 (May, 1995) | |
| | DU | MIKOLAJCZYK et al., "Prostatic Human Kallikrein 2 Inactivates and Complexes with Plasminogen Activator Inhibitor-1", Int. J. Cancer, 81:439-442 (May 5, 1999) | |
| | DV | MILDE-LANGOSCH et al., "Expression and Prognostic Value of the Cell-Cycle Regulatory Proteins, Rb, p16 ^{MTS1} , p21 ^{WAF1} , p27 ^{KIP1} , Cyclin E, and Cyclin D2 in Ovarian Cancer", Int. J. Gynecol. Pathol., 22:168-174 (April, 2003) | |
| | DW | MITSUMI et al., "A Novel Isoform of a Kallikrein-Like Protease, TLSP/Hippostasin, (PRSS20), IS Expressed in the Human Brain and Prostate", Biochem. Biophys. Res. Commun., 272:205-211 (May 27, 2000) | |
| | DX | OBIEZU et al., "Higher Human Kallikrein Gene 4 (KLK4) Expression Indicates Poor Prognosis of Ovarian Cancer Patients", Clin. Cancer Res., 7:2380-2386 (August, 2001) | |
| | DY | OZALP et al., "Effect of Cellular DNA Content on the Prognosis of Epithelial Ovarian Cancers", Gynecol. Obstet. Invest., 52:93-97 (2001) (Abstract) | |
| | DZ | PETRAKI et al., "Human Kallikrein 13 Expression in Normal Tissues: An Immunohistochemical Study", Histochem. Cytochem., 51(4):493-501 (April, 2003) | |
| | DDR | RIEGMAN et al., "Characterization of the Human Kallikrein Locus", Genomics, 14:6-11 (September, 1992) | |
| | DDS | RISCH, "Hormonal Etiology of Epithelial Ovarian Cancer, With a Hypothesis Concerning the Role of Androgens and Progesterone", J. Natl. Cancer Inst., 90:1774-1786 (December 2, 1998) | |
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| Sheet | 8 | of | 9 | Examiner Name | A. Gussow |
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| | DDV | SAWIRIS et al., "Development of a Highly Specialized cDNA Array for the Study and Diagnosis of Epithelial Ovarian Cancer", Cancer Res., 62:2923-2928 (May 15, 2002) | |
| | DDW | SCHMALFELDT et al., Clin. "Increased Expression of a Matrix Metalloproteinases (MMP)-2, MMP-9, the Urokinase-Type Plasminogen Activator is Associated with Progression from Benign to Advanced Ovarian Cancer", Cancer Res., 7:2396-2404 (August, 2001) | |
| | DDX | SCHUMMER et al., "Comparative Hybridization of an Array of 21,500 Ovarian cDNAs for the Discovery of Genes Overexpressed in Ovarian Carcinomas", Gene, 238:375-389 (October 1, 1999) (Abstract) | |
| | DDY | SCORILAS, "Immunoenzymatically Determined Pepsinogen C Concentration in Breast Tumor Cytosols: An Independent Favorable Prognostic Factor in Node-Dependent Patients", Clin. Cancer Res. 5:1778-1785 (July, 1999) | |
| | DDZ | SCORILAS et al., "Human Kallikrein 13 Protein in Ovarian Cancer Cytosols: A New Favorable Prognostic Marker", J. Clin. Oncol., 22(4):678 (February 15, 2004) | |
| | ER | SEETOO et al., "Quantitative Expression of Protein Markers of Plasminogen Activation System in Prognosis of Colorectal Cancer", J. Surg. Oncol. 82:184-193 (March, 2003) | |
| | ES | SHEN et al., "Prognostic Significance of Vascular Endothelial Growth Factor Expression in Human Ovarian Carcinoma", Br. J. Cancer, 83:196-203 (July, 2000) | |
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| | EU | SOTIROPOULOU et al., "Emerging in the Kallikrein Gene Family for Understanding and Diagnosing Cancer", Oncol. Res. 13(6-10):381-391 (2003) (Abstract) | |
| | EV | STENMAN et al., "A Complex Between Prostate-Specific Antigen and α 1-Antichymotrypsin is the Major Form of Prostate-Specific Antigen in Serum of Patients with Prostatic Cancer: Assay of the Complex Improves Clinical Sensitivity for Cancer", Cancer Res., 51:222-226 (January 1, 1991) | |
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| | EX | SUI et al., "Surviving Expression and its Correlation with Cell Proliferation and Prognosis in Epithelial Ovarian Tumors", Int. J. Oncol., 21:315-320 (August, 2002) | |
| | EY | TAKAHASHI et al., "Down-Regulated Expression of Prostate-Specific Antigen in High-Grade or Hormone-Refractory Human Prostate Cancers", The Prostate, 54:187-193 (February 15, 2003) | |

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